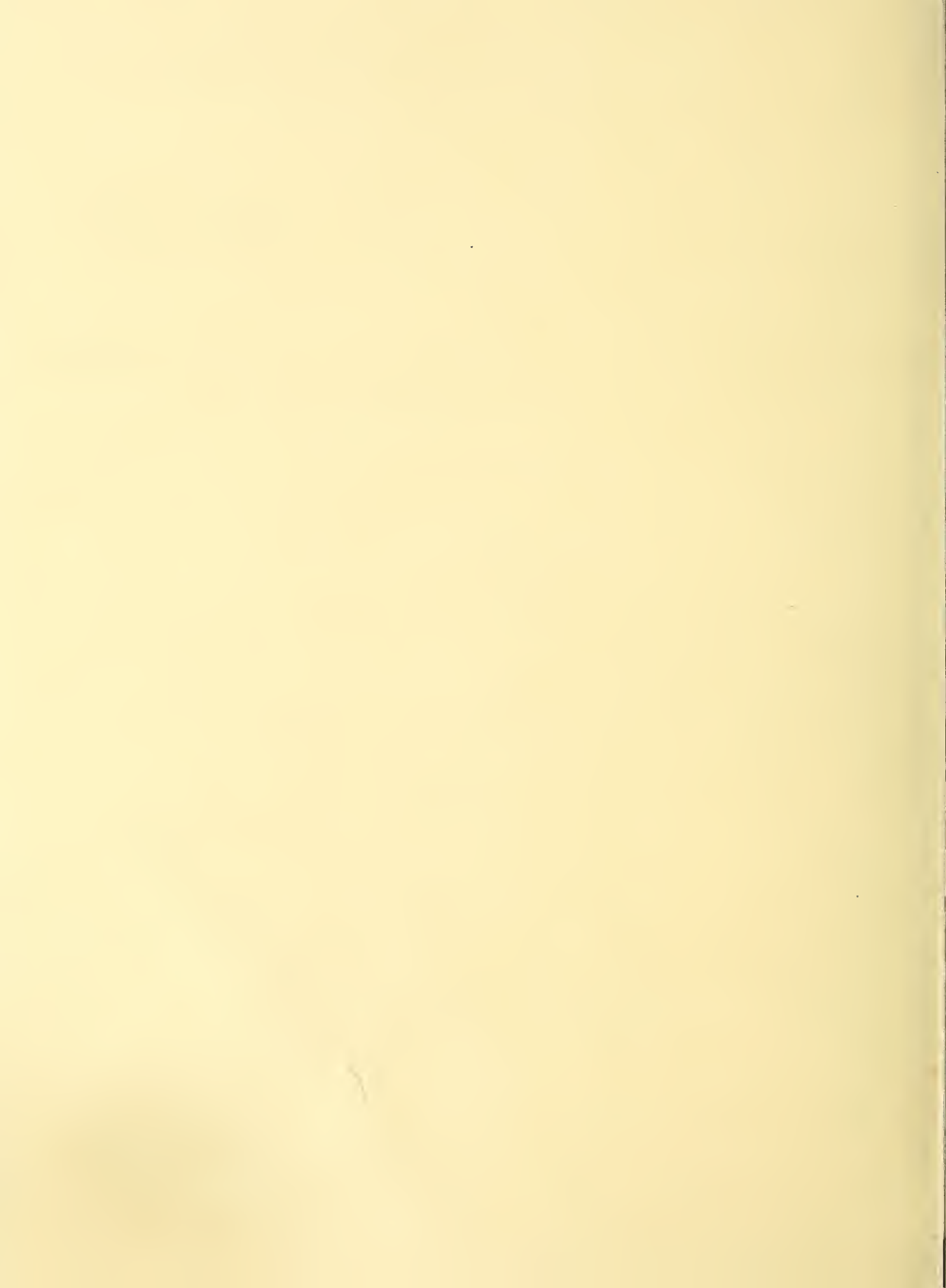


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FOREST PRODUCTS LABORATORY

X LIST OF PUBLICATIONS FOR

FURNITURE MANUFACTURERS, WOODWORKERS, AND  
TEACHERS OF WOOD SHOP PRACTICE X

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FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS  
FOR FURNITURE MANUFACTURERS, WOODWORKERS, AND  
TEACHERS OF WOOD SHOP PRACTICE<sup>1</sup>

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<sup>1</sup>This list was previously issued as Forest Products Laboratory Report No. 1775.

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# GENERAL

Title	Author	Publication and date
*Forest Products Laboratory natural finish.		: FPL Research Note 046. : 1964.
*How to treat fence posts by double diffusion.	: Baechler, R.H.	: FPL Research Note 013. : 1963.
*FPL 1963: Annual report of the Forest Products Laboratory.		: 1963.
*The Forest Products Laboratory: A brief account of its work and aims.		: USDA Inf. Bull. 105, : 29 pp. Revised Dec. : 1963.
*Some books and pamphlets on finishing of wood and furniture.		: SWP-63-050. Nov. 1963.
*Tomorrow's houses from trees of today.	: Heyer, O.C.	: Forest Prod. Jour. 13(6): : 252-254, June 1963.
*Electron microscope expands horizons in wood research.	: Sachs, I.B.	: FPL Rept. 2256. 1962.
*Wood scaffold planks.		: FPL Tech. Note 264. : 1962.
*Modified woods.	: Seborg, R.M., : Tarkow, : Harold, and : Stamm, A.J.	: FPL Rept. 2192. 1960. : Revised 1962.
*Fifteen years of forest products research--and a look ahead at the next fifteen.	: Locke, Edward : G.	: Forest Prod. Jour. 12(9): : 393-399, Sept. 1962.

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Title	Author	Publication and date
*Products of American Forests.	Champion, F.J.	Misc. Pub. 861. 1961.
*Some books about wood.		FPL Rept. 399. 1961.
*Some publications on domestic and foreign woods.		FPL Rept. 1479. 1956. Revised 1961.
*How good is wood in a fire?	Hamre, R.H.	Forest Farmer 20(11):8-9, 18-19, July 1961.
*Chemical conversion products from wood.	Locke, Edward G.	FPL Rept. 2179. 1960.
*The Forest Products Laboratory: A Golden Anniversary Record.		1960.
*Making log cabins endure.		FPL Rept. 982. 1933. Revised 1960.
*The performance of wood in fire.	Fleischer, H.O.	FPL Rept. 2202. 1960.
*Wood--A simple explanation, what it is and how we use it.	Champion, F.J.	FPL Rept. 1972. 1954. +1960.
*Your career in forest products research.	Fleischer, H.O.	FPL Rept. 2186. 1960.
*The use of wood in tomorrow's house.	Fleischer, H.O.	Forest Prod. Jour. 10(12):648-650, Dec. 1960.
*The need for emphasis on the basic sciences in the wood technology curriculum.	Fleischer, H.O.	Forest Prod. Jour. 10(10):517-519, Oct. 1960.

+Information Reviewed and Reaffirmed.



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Title	Author	Publication and date
*How to make a laminated diving board.		FPL Tech. Note 244. 1940. Revised 1958.
*Wood seats for stadiums.		FPL Rept. 1006. 1930. Revised 1958.
*Standard terms for describing wood.		FPL Rept. 1169. 1936. Revised 1956. +1961.
Wood Handbook--Basic information on wood as a material of construction with data for its use in design and specification.		USDA Ag. Hdbk. 72. 1955. Available from GPO. \$2.25.
Hickory-ash bats get baseball trial.	McDonald, J.K.	South. Lbrmn. 183(2297): 193-194, Dec. 15, 1951.
*Bleaching wood.	Downs, Leslie E.	FPL Rept. 1705. 1948. Revised 1950. +1961.
Wood as an engineering material.	Markwardt, L.J.	Amer. Soc. for Testing Materials (Marburg Lecture). 1943.
*Prevention and control of decay in dwellings.		FPL Tech. Note 251. 1941. Reissued 1962.

# GROWTH, STRUCTURE, AND IDENTIFICATION OF WOOD

Title	Author	Publication and date
*Identification of oak woods.		FPL Research Note 039. 1964.
*Forest Products Laboratory list of publications on the growth, structure, and identification of wood.		63-038. 1963.
*Inside wood--A short trip into: the interior for the layman.		FPL Research Note 014. 1963.
*The structure of wood.		FPL Research Note 04. 1963.
*Characteristics of some imported woods.	Kukachka, B. Francis	FPL Rept. 2242. 1962.
*How to tell birch, beech, and maple apart.		FPL Tech. Note 116. 1920. Reissued 1962.
*A concept of intrinsic wood quality, and nondestructive methods for determining quality in standing timber.	Mitchell, Harold L.	FPL Rept. 2233. 1961.
*Significance of tension wood in furniture cuttings of red oak.	Lassen, Laurence E., and Cooper, Glenn A.	FPL Rept. 2193. 1960.
*What is meant by "hardwoods" and "softwoods."		FPL Tech. Note 187. 1923. Reissued 1960.
*How growth affects quality in hardwood lumber.	Paul, Benson H.	South. Lbrmn. 201(2512): 31-32, Dec. 1, 1960.
*Identification of coniferous woods.	Kukachka, B. F.	Tappi 43(11):887-896, Nov. 1960.

# GROWTH, STRUCTURE, AND IDENTIFICATION OF WOOD (continued)

Title	Author	Publication and date
*Estimating tree specific gravity from a single increment core.	: Wahlgren, Harold E., and: : Fassnacht, Donald L.	: FPL Rept. 2146. 1959.
*How to distinguish black ash from commercial white ash lumber.	: :	: FPL Tech. Note D-11. : 1919. Reissued 1958.
*"Virgin growth" and "second growth."	: :	: FPL Tech. Note 153. : 1921. Reissued 1957.
*How to distinguish mahogany and walnut from sweetgum.	: :	: FPL Tech. Note 103. : 1920. Reissued 1953.
*Effects of tension wood in hardwood lumber and veneer.	: Pillow, Maxon Y.	: FPL Rept. 1943. 1953. : +1962.
*Guides for selecting tough ash.	: Pillow, M.Y.	: South. Lbrmn., Aug. 1950.
*Occurrence of gelatinous fibers and their effects upon properties of hardwood species.	: Akins, Virginia, and Pillow, M. Y.	: Forest Prod. Res. Soc. Proc. 1950.
*Open-grown sugar maple for textile shuttles.	: Paul, B.H., and: : Baudendistel, M.E.	: South. Lbrmn., Dec. 15, 1945.
*Quality comparisons of hardwoods from the southern Appalachians with that of northern growth.	: Paul, B.H.	: South. Lbrmn., Aug. 1, 1941.
*Characteristics of ash from southern bottomlands.	: Pillow, M.Y.	: South. Lbrmn., Dec. 15, 1939.

# GROWTH, STRUCTURE, AND IDENTIFICATION OF WOOD (continued)

Title	Author	Publication and date
*Differences between heart-wood and sapwood.		FPL Tech. Note 189. 1923. Revised 1936. Reissued 1961.
*Distinguishing characteristics of mahogany and woods commonly called mahogany.		FPL Tech. Note 162. 1922. Revised 1936. Reissued 1962.
*Red hickory as strong as white hickory.		FPL Tech. Note 171. 1922. Revised 1936. Reissued 1953.
*"Bird's eyes" in maple are not due to dormant buds.	Pillow, M.Y.	Hardwood Record, Sept. 1930. Also: Wood Working Indus., Sept. 1929.
*The quality of Appalachian hickory.	Paul, B.H.	South. Lbrmn., Apr. 6, 1929.
*Comparative value of timber cut from live and dead trees.		FPL Tech. Note 101. 1920. Revised 1928. Reissued 1958.
*The identification of furniture woods.	Koehler, Arthur	USDA Misc. Cir. 66. 1926.
*How growth affects quality in hickory and ash.	Paul, B.H.	Wood Working Indus., Feb. 1926.

MOISTURE CONTENT, PHYSICAL PROPERTIES,  
AIR SEASONING, AND KILN DRYING

Title	Author	Publication and date
*List of publications on drying of wood.		: FPL 63-047. 1964.
*Electric moisture meters for wood.	: James, William L.	: Research Note FPL-08. 1963.
*Drying lumber by solar energy.	: Peck, E.C.	: Sun At Work 7(3):4-5, 7. 1962.
*Drying by solar radiation in Puerto Rico.	: Maldonado, E. D., and Peck, E.C.	: Forest Prod. Jour. 12(10): 487-488, Oct. 1962.
*Drying 4/4 red oak by solar heat.	: Peck, E.C.	: Forest Prod. Jour. 12(3):103-107, Mar. 1962.
Dry Kiln Operator's Manual.	: Rasmussen, E. F.	: USDA Hdbk. 188. 1961. Available from GPO. . \$1.00.
*Separates from Dry Kiln Operator's Manual:		: Ag. Hdbk. 188. 1961.
<u>Chapter</u>		
* Introduction.		
* 1 Properties of wood related to drying.		
* 2 Kiln types and features.		
* 3 Auxiliary kiln equipment.		
* 4 Inspection and maintenance of dry kilns and equipment.		
* 5 Stacking lumber and other items for kiln-drying.		
* 6 Kiln samples.		

MOISTURE CONTENT, PHYSICAL PROPERTIES,  
AIR SEASONING, AND KILN DRYING (continued)

Title	Author	Publication and date
*Separates from Dry Kiln Operator's Manual (continued):		Ag. Hdbk. 188. 1961.
Chapter		
* 7 Loading the dry kiln		
* 8 Kiln schedules and drying time.		
* 9 Drying defects.		
*10 Operating a dry kiln.		
*11 Storage of wood.		
*List of manufacturers and dealers for log and lumber end coatings.		FPL Rept. 1954. 1953. Revised 1961.
*Full-time or part-time kiln drying.	Rasmussen, Edmund F., and Avanzado, Melecio B.	South Lbrmn., pp. 99-104, Dec. 15, 1961.
Wind-powered solar-heated lumber dryer.	Johnson, C.L.	South. Lbrmn. 203(2532): 41-42, 44, Oct. 1, 1961.
*Seasoning green-wood carvings with polyethylene glycol 1000.	Mitchell, H.L., and Iversen, E.S.	Forest Prod. Jour. 11(1):6-7, Jan. 1961.
*Can American elm be dried without excessive warping?		FPL Rept. 1769-26. 1960.
*Longitudinal shrinkage of wood.		FPL Rept. 1093. 1930. Revised 1960.
*Method of calculating shrinkage or swelling of wood with change in moisture content.		FPL Rept. 1769-27. 1960.



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AIR SEASONING, AND KILN DRYING (continued)

Title	Author	Publication and date
*Protecting bulk-piled green lumber from fungi by dip treatment.	: Scheffer, Theo- : dore C., and : Drow, John T.	: FPL Rept. 2201. 1960.
*Significance of tension wood in furniture cuttings of red oak.	: Lassen, : Laurence E., : and Cooper, : Glenn A.	: FPL Rept. 2193. 1960.
*Water sprays protect hard- wood logs from stain and decay.	: Lane, P.H., : and Scheffer, : T.C.	: Forest Prod. Jour. : 10(6):277-282, June 1960.
*New chemical treatment curbs shrink and swell of walnut gunstocks.	: Mitchell, H.L., : and Wahlgren, : H.E.	: Forest Prod. Jour. : 9(12):437-441, Dec. 1959.
Recommendations of the Madison Conference on fundamental research in wood: drying.	: Youngs, R.L.	: Forest Prod. Jour. 9(3): : 121-124, March 1959.
*Control of decay and sap stain in logs and green lumber.	: Scheffer, : Theodore C.	: FPL Rept. 2107. 1958.
*An instrument for measuring wood equilibrium moisture content.		: FPL Tech. Note 239. 1932. : Revised 1936. Reissued : 1958.
*Bending solid wood to form.	: Peck, E.C.	: USDA Ag. Hdbk. 125. 1957.
*How wood shrinks and swells.	: Peck, Edward : C.	: Forest Prod. Jour 7(7): : 235-244, July 1957.
*Air drying of lumber.	: Peck, Edward : C.	: FPL Rept. 1657. 1947. : Revised 1956. +1961.

MOISTURE CONTENT, PHYSICAL PROPERTIES,  
AIR SEASONING, AND KILN DRYING (continued)

Title	Author	Publication and date
*Coatings for the prevention of end checks in logs and lumber.	McMillen, John M.	FPL Rept. 1435. 1943. Revised 1956. +1961.
*How can sticker stain in hard-wood lumber be prevented?		FPL Rept. 1769-23. 1956. +1962.
Seasoning hickory lumber and handle blanks.	McMillen, John	Hickory Task Force Rept. No. 4, June 1956. South-eastern Forest Experiment Station, Forest Service, U.S. Department of Agriculture, P.O. Box 2570, Asheville, N.C.
*Coatings that prevent end checks.		FPL Tech. Note 186. 1923. Revised 1955. Reissued 1959.
*Moisture content of wood in use.	Peck, E.C.	FPL Rept. 1655. 1947. Revised 1955. +1961.
*Methods of controlling humidity in woodworking plants.	Dunlap, M.E.	FPL Rept. 1612. 1946. Revised 1953. +1958.
*Weights of various woods grown in the United States.		FPL Tech. Note 218. 1926. Revised 1953. Reissued 1961.
*Detection and relief of case-hardening and final moisture content tests in kiln-dried lumber.		FPL Tech. Note 213. 1925. Revised 1952. Reissued 1962.



MOISTURE CONTENT, PHYSICAL PROPERTIES,  
AIR SEASONING, AND KILN DRYING (continued)

Title	Author	Publication and date
*Table of relative humidity and: equilibrium moisture content : for dry- and wet-bulb hygro- : meter. :		: FPL Tech. Note 156. : 1921. Revised 1952. : :
*Uneven coatings on wood : cause warping. :		: FPL Tech. Note D-12. : 1919. Revised 1962. : Reissued 1961. :
*Chemical brown stain in pine.:		: FPL Tech. Note 254. : Revised 1951. :
*How is case-hardening in : kiln-dried lumber : determined. :		: FPL Rept. 1769-10. : 1951. +1962. :
*What is the cause of case- : hardening in lumber and how : can it be relieved? :		: FPL Rept. 1769-9. : 1951. :
*What precautions will : minimize seasoning defects : in the kiln drying of green : oak lumber? :		: FPL Rept. 1769-11. : 1951. +1963. :
*Comparison of redwood and : flat-grained yellow-poplar : for cores in furniture panels.:	Peck, Edward C., and Selbo, M.L.	: FPL Rept. 1785. 1950. : +1960. :
*Have you been experiencing : wood fabrication troubles in : the spring when the factory : switches from winter heating : to opening of windows? :		: FPL Rept. 1769-2. : 1950. +1962. :
*What are the principal advan- : tages in seasoning lumber? :		: FPL Rept. 1769-5. : 1950. +1962.

MOISTURE CONTENT, PHYSICAL PROPERTIES,  
AIR SEASONING, AND KILN DRYING (continued)

Title	Author	Publication and date
*Exudation of pitch and oils in wood.	Browne, F. L., and Rietz, R. C.	FPL Rept. 1735. 1949. +1959.
*Kiln drying of white birch turning squares.		FPL Rept. 1702. 1947. +1962.
*Need for uniformity of temperature in a forced-air-circulation, ventilated, compartment dry kiln.	Rasmussen, E. F.	FPL Rept. 1669. 1947. +1962.
*Steaming black walnut to darken the sapwood.		FPL Rept. 1673. 1947. +1961.
*A method of seasoning small quantities of lumber.	Rasmussen, E. F.	FPL Rept. 1608. 1946. +1958.
*Comparative strength of air-dried and kiln-dried wood.		FPL Tech. Note 180. 1922. Revised 1943. Reissued 1961.
*Longitudinal shrinkage of wood.		FPL Tech. Note 234. 1930. Revised 1942. Reissued 1961.
*Estimated footage reduction in kiln-drying air-dried hardwoods.	Rietz, Raymond C.	South. Lbrmn., Aug. 15, 1941.
*The reversible-circulation internal-fan kiln.		FPL Tech. Note 208. 1925. Revised 1940. Reissued 1952.
*Differences between heart-wood and sapwood.		FPL Tech. Note 189. 1923. Revised 1936. Reissued 1961.
*Shrinking and swelling of wood in use.		FPL Rept. 736. 1931. +1957.

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Title	Author	Publication and date
*Board materials from wood residues.	Lewis, Wayne C.	FPL Research Note 045. 1964.
*Uses for sawdust and shavings.		FPL Research Note 047. 1964.
*Uses for slabs, edgings, and trims.		FPL Research Note 038. 1964.
*Woodworking machines.		FPL Research Note 048. 1964.
*Recommended veneer grades for the development of hardwood veneer log grades.	Henley, J.W., Woodfin, R.O. Jr., and Haskell, H.H.	FPL Research Paper 9. 1963.
*U.S. Forest Products Laboratory notes on the treatment of wood with polyethylene glycol.		FPL Research Note 06. 1963.
*Using the FPL hardwood veneer grades.	Haskell, Henry	FPL Research Note 025. 1963.
*Research uncovers new sawing techniques.	Link, Roman A.	South. Lbrmn., pp. 116-119, Dec. 15, 1963.
*Slicewood...new way to yield more wood product.	Lutz, J.F.	The Northern Logger 12(5):8-9, 36, Nov. 1963.
*PEG-treated walnut limbwood makes handsome decorator clock.	Mitchell, Harold L.	Forest Prod. Jour. 13(9): 416, Sept. 1963.
*New horizons in bowl turning.	Englerth, G.H. and Mitchell, Harold L.	Forest Prod. Jour. 13(2): 48-49, Feb. 1963. Also published by Home Craftsman 31(5):84-85, Mar.-Apr. 1963.

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Title	Author	Publication and date
*Changing utilization of hardwoods.	Locke, Edward G.	FPL Rept. 2244. 1962.
Machining and related characteristics of United States hardwoods.	Davis, E.M.	USDA Ag. Tech. Bull. 1267. 1962. Available from GPO. 35 cents.
*New study proves narrower kerf hikes yields on logs under 12 inches.	Hallock, Hiram	South. Lbrmn. 205(2561): 172, 176, 178, Dec. 15, 1962.
*Protect imported carvings with PEG.	Mitchell, H.L. and Fobes, E. W.	Forest Prod. Jour. 12(10): 476-477, Oct. 1962.
*Slicewood...a promising new wood product.	Lutz, J.F., Haskell, H.H., and McAlister, R.	Forest Prod. Jour. 12(5):218-227, May 1962.
*Bark and its possible uses.	Rowe, J.W.	FPL Rept. 1666-5. 1961.
*Charcoal--production, marketing, and use.		FPL Rept. 2213. 1961.
*Effect of defect placement and taper setout on lumber grade yields when sawing hardwood logs.	Malcolm, F.B.	FPL Rept. 2221. 1961.
*Wood floors for dwellings.		USDA Ag. Hdbk. 204, 44 pp., 1961.
*The effect of density upon wood properties.	Davis, E.M.	Hitchcock's Wood Working Digest 63(9): 52-54, Sept. 1961.

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Title	Author	Publication and date
*Paper overlaid lumber.	Heebink, B.G.	Forest Prod. Jour. 11(4):167-175, Apr. 1961.
*Briquets from wood waste.	Reineke, L.H.	FPL Rept. 1666-13. 1947. Revised 1960.
*Feed-speed relationships for cutting tools.	Reineke, L.H.	FPL Rept. 2184. 1960.
*Bumps and dents on lumber.	Davis, E.M.	Forest Prod. Jour. 10(10):522-523, Oct. 1960.
*Tension wood in cottonwood.. Its effect on density, toughness, and compression.	Lassen, L.E.	Forest Prod. Jour. 9(3):116-120, Mar. 1959.
*Three "musts" for good machining.	Davis, E.M.	Wood-Worker 78(1): 6-8, Mar. 1959.
*The search for wood quality.	Mitchell, H.L., and Wheeler, P.R.	Forest Farmer, Pt. I. 18(4):4-6, Jan. 1959; Pt. II, 18(5):10-12, Feb. 1959.
*Uses for forest residues.	Reineke, L.H.	FPL Rept. 1666-3. +1958.
*Hardwoods of the South.		Reissued 1956.
Seasoning hickory lumber and handle blanks.	McMillen, John M.	Hickory Task Force Report No. 4, June 1956. Southeastern Forest Experiment Station, Forest Service, U.S. Department of Agriculture, P.O. Box 2570, Asheville, N. C.



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Title	Author	Publication and date
*Fabrication of wood products at small sawmills and wood-working plants.	Malcolm, Fredrick B.	FPL Rept. 1666-8. 1947. Revised 1955. +1960.
*Raised, loosened, torn, chipped, and fuzzy grain in lumber.		FPL Rept. 2044. 1955. +1959.
*Machining tests of wood with the molder.	Davis, E.M., and Nelson, Harold	Forest Prod. Res. Soc. Proc. May 1954.
*General recommendations regarding methods for wood waste utilization.		FPL Rept. 1666. 1947. Revised 1953. Reprinted 1963.
Small wood industry--Home markets.	Sweet, C.V.	FPL Rept. 1968. 1953.
*Southern hard elm strength properties compare favorably with rock elm.	Dohr, A.W.	South.Lbrmn., Dec. 15, 1953.
*Wood residue collection techniques.	Fobes, E.W.	Forest Prod. Jour. Vol. 3 (3):39-40, Sept. 1953.
*Sawteeth in action.	Reineke, L.H.	Forest Prod. Res. Soc. Proc. 1950. Also, excerpts from this article in South. Lbrmn., Aug. 1950; South Lbrmn., Nov. 15, 1950.
*Sawdust floor-sweeping compounds.		FPL Rept. 1666-14. 1947. +1962.
*Use of short boards in sheathing crates.		FPL Rept. 1666-17. 1947. +1962.

# GRADING, MANUFACTURING, AND UTILIZATION (continued)

Title	Author	Publication and date
*Wood flour.	Reineke, Lester	FPL Rept. 1666-9.
	H.	1947. +1961.
*Wood fuel combustion practice.	Reineke, L.H.	FPL Rept. 1666-18.
		1947. Revised 1960.
*Wood fuel preparation.	Reineke, L.H.	FPL Rept. 1666-19.
		1947. Revised 1960.
*Properties, selection, and suitability of woods for woodworking.	Coleman, D.G.	Indus. Arts & Vocational Education, Dec. 1940.
		+1960.

## Aspen Reports, Lake States

Aspen properties and uses.	Zasada, Z.A.	Lake States Aspen Report
		No. 1. 1947. Lake States
		Forest Experiment Station,
		Forest Service, U.S.
		Department of Agriculture,
		Green Hall, St. Paul
		Campus, University of
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		Minn.
Seasoning of aspen.	Smith, H.H.	No. 5. 1947.
Aspen lumber grades and characteristics.	Zasada, Z.A.	No. 6. 1948.
Machining and related properties of aspen.	Davis, E.M.	No. 8. 1947.
Aspen for core stock.	Toole, Arlie W.	No. 11. 1947.
Aspen for veneer.	Garland, H.	No. 13. 1948.

# GRADING, MANUFACTURING, AND UTILIZATION (continued)

Title	Author	Publication and date
<u>Beech Utilization Series Reports</u>		
The steam-bending of beech.	Wangaard, Frederick F.	Beech Utilization Report No. 3. 1952. Northeastern Forest Experiment Station, Forest Service, U.S. Department of Agriculture, 102 Motors Ave., Upper Darby, Pa.
The machining of beech.	McIntire, S.H.	No. 9. 1954.
Seasoning beech lumber.	Baker, Gregory, and McMillen, John M.	No. 11. 1955.

## Foreign Woods

*Agba, <u>Gossweilerodendron balsamiferum</u> (Verm.) Harms.	Kukachka, B. Francis	FPL Rept. 2024. 1949. Revised 1961.
*Alerce, <u>Fitzroya cupressoides</u> (Molina) Johnston (=F. <u>patagonica</u> J.D. Hooker).		FPL Rept. 1982. 1954. +1961.
*Angelique, <u>Dicorynia guianensis</u> Amsh.	Kukachka, B. Francis	FPL Rept. 1787. 1951. Revised 1958.
*Athel tamarisk, <u>Tamarix aphylla</u> (L.) Karst. (=T. <u>articulata</u> Vahl.)	Gerry, Eloise	FPL Rept. 1986. 1954. +1959.



GRADING, MANUFACTURING, AND UTILIZATION (continued)

Title	Author	Publication and date
<u>Foreign Woods (continued)</u>		
*Avodire, <u>Turraeanthus africanus</u> (Welw. ex C. DC.) Pellegr.	: Koeppen, . : Robert C., and: : Kukachka, B. : Francis	: FPL Rept. 1905. : Revised 1961. : :
*Balsa, <u>Ochroma lagopus</u> SW.	: Brush, W.D. : :	: Unnumbered leaflet. : 1945. :
*Brazilian araucaria ("Parana pine"), <u>Araucaria angustifolia</u> (Bert.) O. Kuntze:	: Brush, W.D. : :	: Unnumbered leaflet. : 1945. :
*Cativo, <u>Prioria copaifera</u> Gris.	: Kukachka, B. : Francis, and : Kryn, Jeannette: : M.	: FPL Rept. 1998. : 1954. Revised 1958. : :
*Conacaste or Guanacaste <u>Enterolobium cyclocarpum</u> (Jacq.) Gris.	: Gerry, Eloise : : :	: FPL Rept. 1985. 1954. : +1960. : :
*Courbaril, <u>Hymenaea</u> spp.	: Kryn, Jeannette : M. : :	: FPL Rept. 1942. 1953. : Revised 1956. +1962. : :
*Crabwood, <u>Carapa</u> spp.	: Kukachka, B. : Francis : :	: FPL Rept. 2247. 1962. : : :
*Greenheart, <u>Ocotea rodioei</u> (Schomb. *Mex. (=Nectandra <u>rodioei</u> Schomb.))	: Brush, W.D. : : :	: Unnumbered leaflet. : 1944. : :
*Iroko, <u>Chlorophora excelsa</u>	: Brush, W.D. : : :	: Unnumbered leaflet. : 1943. : :
*Ishpingo, <u>Amburana acreana</u> (Ducke) A.C. Smith.	: Kukachka, B. : Francis	: FPL Rept. 1915. : Revised 1961.

GRADING, MANUFACTURING, AND UTILIZATION (continued)

Title	Author	Publication and date
<u>Foreign Woods (continued)</u>		
*Khaya, <u>Khaya</u> spp.	: Brush, W.D.	: Unnumbered leaflet.
	:	: 1940.
*Klinki, Rassu, Pai,	: Gerry, Eloise	: FPL Rept. 1987. 1954.
<u>Araucaria klinkii</u> Lauterbach.	:	: +1960.
*Kokrodua, <u>Afrormosia elata</u>	: Kukachka, B.	: FPL Rept. 1978. 1954.
Harms.	: Francis	: Revised 1960.
*The Lauans.	: Brush, W.D.	: Unnumbered leaflet. 1939.
*Lignumvitae, <u>Guajacum</u> spp.	: Brush, W.D.	: Unnumbered leaflet. 1938.
*Mahogany, <u>Swietenia</u> spp.	: Brush, W.D.	: Unnumbered leaflet. 1941.
*Mahogany, <u>Swietenia</u>	: Kukachka, B.	: FPL Rept. 2167. 1959.
<u>macrophylla</u> King.	: Francis	:
*Marupa, <u>Simarouba amara</u>	: Kukachka, B.	: FPL Rept. 1956. Revised
Aubl.	: Francis	: 1960.
*Palosapis, <u>Anisoptera</u> spp.	: Kukachka, B.	: FPL Rept. 2051. 1956.
	: Francis	: +1962.
*Primavera, <u>Cybistax donnell-</u>	: Kukachka, B.	: FPL Rept. 2021. 1959.
<u>smithii</u> (Rose) Siebert.	: Francis	:
*Sen, <u>Kalopanax pictus</u>	: Kukachka, B.	: FPL Rept. 1979. 1954.
(Thunb.) Nakai.	: Francis	: Revised 1957. +1962.
*Yemeri, <u>Vochysia</u>	: Kryn, Jeannette	: FPL Rept. 1946. 1953.
<u>hondurensis</u> Sprague.	: M.	: Revised 1956. +1962.

# GRADING, MANUFACTURING, AND UTILIZATION (continued)

Title	:	Author	:	Publication and date
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## U.S. Forest Service American Wood Series

*Alder, red	*Locust, black
*Baldcypress	*Maple
*Buckeye	*Oaks
*Cedar, Alaska-	*Osage-Orange
*Cedar, Incense-	*Pine, eastern white
*Cedar, eastern red-	*Pine, ponderosa
*Cedar, northern white-	*Pine, red
*Cedar, Port Orford white-	*Pine, southern
*Fir, Douglas	*Pine, sugar
*Fir, noble	*Pine, western white
*Hackberry	*Redwood
*Hemlock, eastern	*Spruce, Sitka
*Hemlock, western	*Sweetgum
*Holly, American	*Sycamore, American
*Larch, western	*Tupelo
	*Walnut, black

## STRENGTH AND RELATED PROPERTIES AND JOINTS AND FASTENINGS

*Performance of bolted joints in Douglas-fir.	: Doyle, D. V., : and Scholten, : J. A. :	: FPL Research Paper : 2. 1963. : :
*Built-up beams for light frame and pole construction.	: Doyle, D. V. : :	: FPL Rept. 2230. 1962. : :
*Lateral loading evaluation of staples and T-nails.	: Kurtenacker, : R. S. : :	: Mech. Fasteners for Wood, : No. 1003, Bldg. Res. Inst., : 1962. :
*Plastic bending of wood beams.	: Norris, C. B. :	: FPL Rept. 2255. 1962. :

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Title	Author	Publication and date
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*Prestressing wood members.	Bohannon, Billy	Forest Prod. Jour. 12(12):596-602, Dec. 1962.
*Working stresses for farm building lumber.	Wood, L.W.	Ag. Eng. 42(1):18-21, 25, Jan. 1961.
*Selecting farm framing for strength.	Wood, L.W.	USDA Leaflet 481. 1960.
*Nail-withdrawal resistance of American woods.		FPL Tech. Note 236. 1931. Revised 1958.
*Segmental rafters for gothic-roofed farm buildings.		FPL Tech. Note 261. 1958.
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*Methods of determining the specific gravity of wood.		FPL Tech. Note B-14. 1919. Revised 1956.
*Structural values of old lumber.	Wood, Lyman W.	FPL Rept. 2009. 1954. +1959.

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AND JOINTS AND FASTENINGS (continued)

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*Effect of nail points on the withdrawal resistance of plain nails.	: Scholten, John : : A. : : :	: FPL Rept. 1226. 1930. : Revised 1953. +1962. : :
*Facts and fancies about ladders.	: Markwardt, L. : : J., and Freas, : : A.D. : :	: Natl. Safety News, : Dec. 1950. : :
*Nail-holding properties of southern hardwoods.	: Scholten, J.A. : : :	: South. Lbrmn., Dec. 15, : 1950. : :
*Survey of strength and related properties of yellow-poplar.	: Luxford, R.F., : : and Wood, L.W. : : :	: FPL Rept. 1516. 1944. : Revised 1953. +1959. : :
*Nailing dense hardwoods.	: : :	: FPL Tech. Note 247. : 1941. Reissued 1961. : :
*Differences between heart-wood and sapwood.	: : :	: FPL Tech. Note 189. : 1923. Revised 1936. : Reissued 1961. : :
*Slant driving of nails! Does it pay?	: : :	: FPL Rept. 954. 1930. : +1962. : :
*Strength of screw fastenings in plywood.	: : :	: FPL Tech. Note 149. : 1921. Reissued 1958. : :
*"Virgin growth" and "second growth."	: :	: FPL Tech. Note 153. : 1921. Reissued 1957.



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Title	Author	Publication and date
*Importance of balanced construction in plastic-faced wood panels.	: Heebink, B.G.	: FPL Research Note 021. : 1963.
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*The manufacture of veneer.	:	: FPL Rept. 285. 1929. : Revised 1962.
*Test for quality of glue bonds in end-jointed lumber.	: Selbo, M.L.	: FPL Rept. 2258. 1962.
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*An evaluation of 21 rubber-base adhesives for wood.	: Blomquist, R.F.; : and Olson, W.Z.	: Forest Prod. Jour. 10(10): : 494-502, Oct. 1960.
*A new technique for evaluating show-through of particle board cores.	: Heebink, B.G.	: Forest Prod. Jour. 10(8): : 379-388, Aug. 1960.

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PLYWOOD FABRICATION (continued)

Title	Author	Publication and date
*Heating rates for logs, bolts, and flitches to be cut into veneer.	Fleischer, H.O.	FPL Rept. 2149. 1959.
*Summary of information on gluing of treated wood.	Selbo, M.L.	FPL Rept. 1789. 1950. Revised 1959.
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*Tooth-planing not necessary to produce strong glued wood joints.		FPL Tech. Note 227. 1929. Revised 1957.
*Casein glues: Their manufacture, preparation, and application.		FPL Rept. 280. 1930. Revised 1956. +1961.
*Animal glues: Their manufacture, testing, and preparation.		FPL Rept. 492. 1929. Revised 1955. +1960.
*Blood albumin glues: Their manufacture, preparation, application.		FPL Rept. 281-2. 1929. Revised 1955. +1959.
*Drying and conditioning glued joints.		FPL Rept. 475. 1955. +1961.
*New veneer-lumber flooring developed for concrete slabs.	Zischke, D.A.	South. Lbrmn. 191(2393): 169-170, Dec. 15, 1955.



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Title	Author	Publication and date
*Polyvinyl-resin emulsion woodworking glues.	: Olson, W. Z., : and Blomquist, : R. F.	: Forest Prod. Jour. 5(4): : 219-226, Aug. 1955. :
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*Jig for alining scarf joints.	: Selbo, M. L.	: Forest Prod. Jour. 4(4): : 43A-45A, Aug. 1954. :
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*Wood laminating comes of age.	: Selbo, M. L., : and Knauss, A. : C.	: Forest Prod. Jour. 4(2): : 69, Apr. 1954. :
*How to select a woodworking glue.	:	: FPL Tech. Note 256. : 1953. Reissued 1962. :
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*Woodworking glues of natural origin.	:	: FPL Tech. Note 257. : 1953. +1960. :
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*A factory method for testing hardness of glue joints.		FPL Tech. Note 223. 1926. Revised 1952. Reissued 1961.
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*Dimensional stability of synthetic board materials used as core stock.	Millett, M. A., and Hohf, John P.	Forest Prod. Res. Soc. Proc. 1948.
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PLYWOOD FABRICATION (continued)

Title	Author	Publication and date
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*Some causes of warping in plywood and veneered products.	Brouse, Don	FPL Rept. 1252. 1940. +1961.
*Properties of ordinary wood compared with plywood.		FPL Tech. Note 131. 1921. Revised 1935. Reissued 1962.
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*Stresses in laminated wood construction.		FPL Tech. Note 140. 1921. Reissued 1960.
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GLUES AND GLUING, VENEER AND  
PLYWOOD FABRICATION (continued)

Title	Author	Publication and date
<u>Veneer Cutting and Drying Properties</u>		
*Veneer cutting and drying properties of cottonwood.		FPL Research Note 044. 1964.
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*Tanoak.		FPL Rept. 1766-15. 1959.
*Tamarack.		FPL Rept. 1766-16. 1961.

# BOX AND CRATE CONSTRUCTION AND PACKAGING DATA

Title	Author	Publication and date
*Performance of pallets from low-quality aspen.	Heebink, T.B.	FPL Rept. 2264. 1962. Also: "Tests prove aspen pallets are rugged," Packing and Shipping 89(6):5-6, Sept. 1962.
*An evaluation of eleven bin-pallet designs.	Heebink, T.B.	FPL Rept. 2216. 1961.
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*Load carrying capacity of deck boards for general-purpose pallets.	Heebink, T.B.	FPL Rept. 2153. 1959.
*Nailing better wood boxes and crates.		USDA Ag. Handbook 160. 1959.
*Hardwood pallet manufacturing.	Heebink, Thomas B., and Fobes, Eugene W.	FPL Rept. 2132. 1958.
*Nailed and lock-corner wood boxes.		FPL Rept. 2129. 1958.
*Staples for containers.	Mohaupt, A.A.	Indus. Packaging, Aug. 15, 1958.
*Test for shipping containers in revolving hexagonal drum box-testing machines.		FPL Rept. 1462. 1944. Revised 1956. +1962.
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BOX AND CRATE CONSTRUCTION  
AND PACKAGING DATA (continued)

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*Basic design data for use of fiberboard in shipping containers.	Kellicutt, K.Q. : and Landt, E.F. :	FPL Rept. 1911. 1951. +1958.
*Diversification in the purchasing of container lumber.	Champion, F.J. :	The Chicago Purchaser, Mar. 1948.
*Key for the identification of woods used for box and crate construction.	Gerry, Eloise :	FPL Rept. 258. 1919. Revised 1942. +1962.
*How to obtain rigidity in crate construction.		FPL Tech. Note 172. 1922. Revised 1936. Reissued 1953.
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Furniture Manufacturers,  
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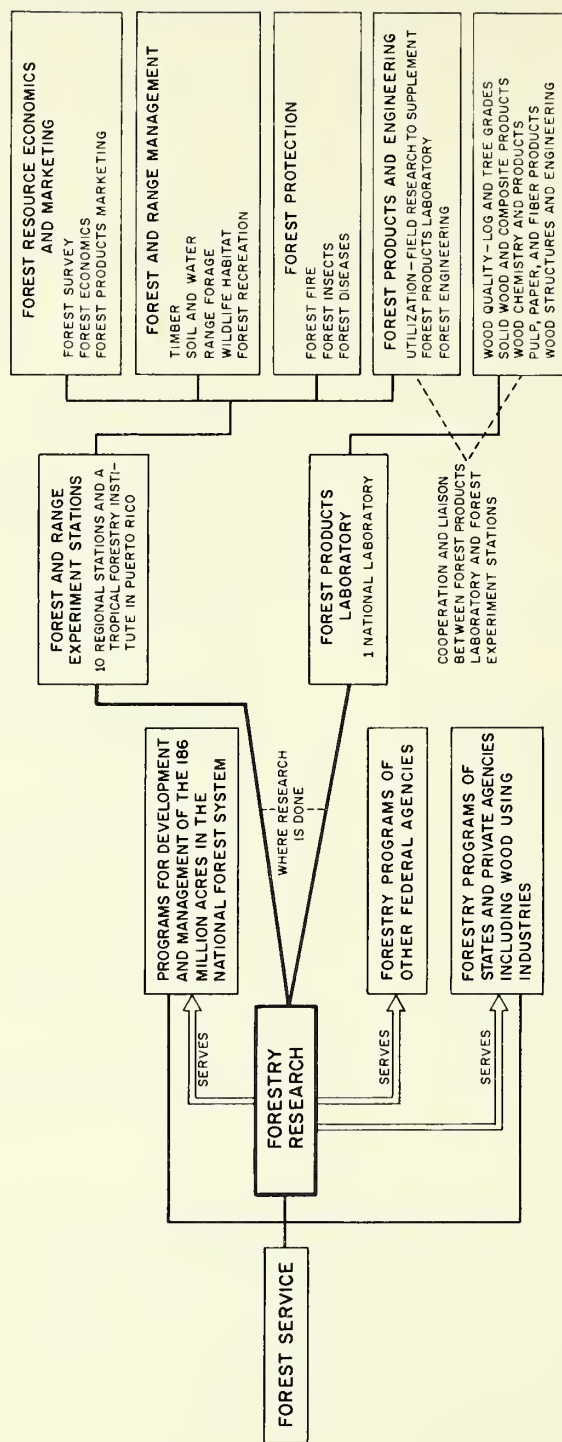
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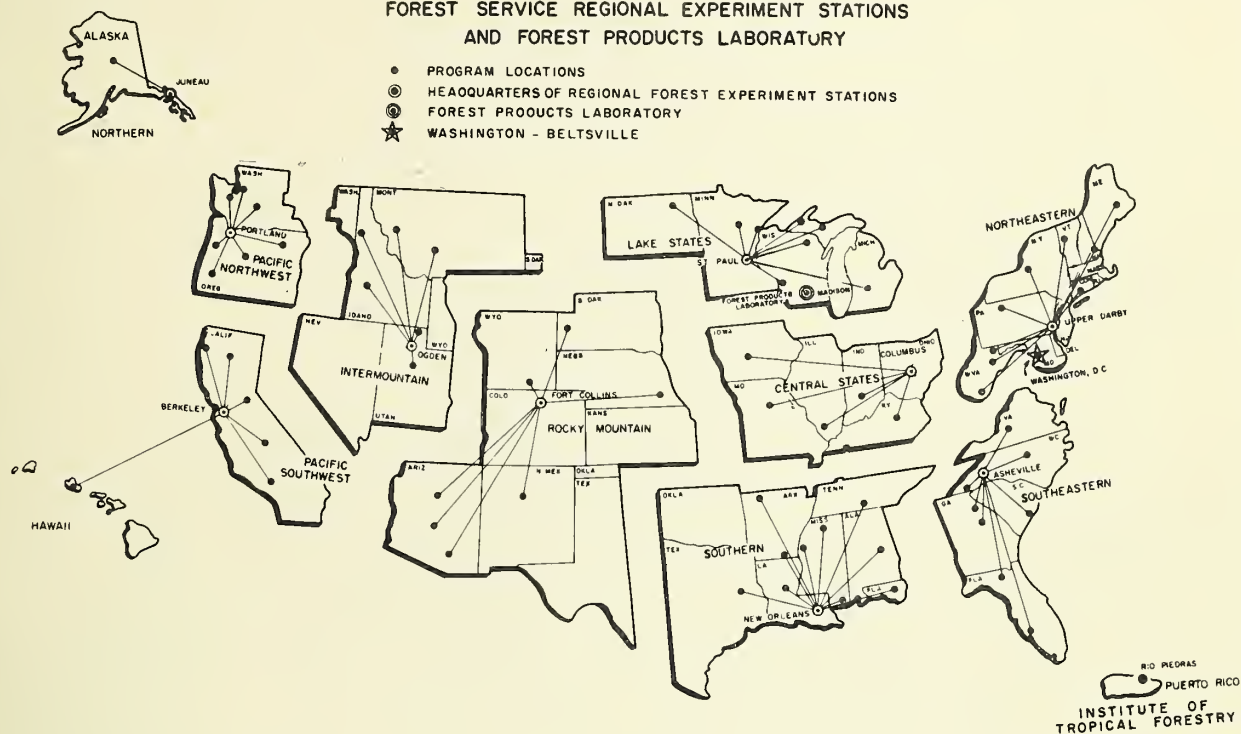


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